



March 16, 2011

Tecumseh Compressor Company

Indoor Condensing Units

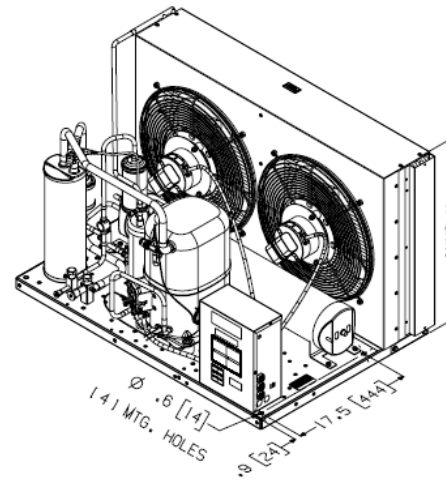
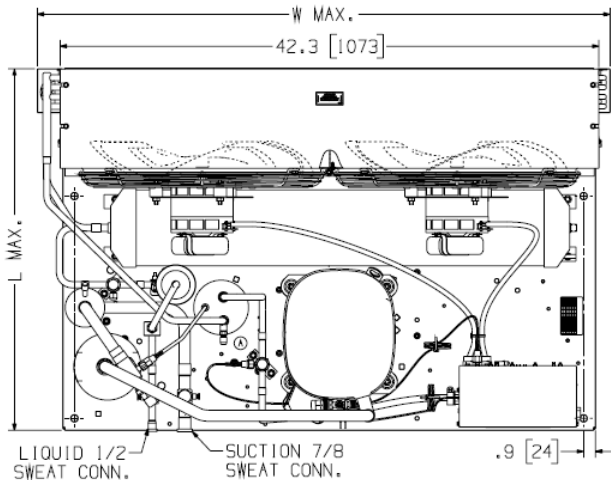
Model: AGA9539ZXNXF

BoM: 2A5111-1

R-404A

5 HP

AIRCOOLED



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AGA9539ZXNXF	28.6	44.9	26.9	18.3	7/8" S	1/2" S	44.48 lbs	4200	65	380

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting

Evaporator T		Ambient Temperatures											
		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.9	19826	4272	96	18368	4214	101	16140	4111	108	13100	3944	117
-5	28.1	23136	4627	98	21434	4571	103	18928	4483	110	15664	4357	119
0	32.8	26721	4984	100	24766	4933	104	21966	4861	111	18453	4775	120
5	37.9	30577	5343	101	28362	5299	106	25254	5246	113	21467	5197	122
10	43.3	34706	5706	103	32223	5671	107	28791	5637	114	24705	5623	124
15	49.1	39110	6073	104	36349	6048	109	32578	6034	116	28169	6053	125
20	55.5	43785	6441	106	40739	6430	111	36615	6437	118	31858	6487	127
25	62.2	48734	6812	108	45395	6817	113	40902	6847	120	35772	6926	129
30	69.5	53955	7186	110	50315	7209	114	45439	7263	121	39911	7368	130
35	77.2	59450	7564	111	55501	7606	116	50226	7685	123	44275	7815	132
40	85.5	65219	7944	113	60951	8008	118	55262	8113	125	48863	8267	134
45	94.3	71259	8328	115	66666	8416	120	60548	8548	127	53678	8722	135

60 Hz Performance

Return gas temp. 40°F Evaporator Temp. 20°F or less, 5°F sub-cooling

Return gas temp. 65°F for Evaporator Temp. > 20°F, 5°F sub-cooling

Specifications/ Parts:

Model	AGA9539ZXNXF
Unit Bill of Material	2A5111-1
Nominal Volts-Hz-Ph	208-230-60-1
Refrigeration Range	-10° to 45°F
Design Pressure Low	181
Design Pressure High	450
Voltage Range	187 to 254
Min. Circuit Ampacity	53.8
Max. Fuse Size (amps)	90
Compressor Model	AGA9534ZXN
Comp. Bill of Material	AG144FT-002-A2
Compressor RLA/LRA	39.8 / 179.0
Overload	INTERNAL
Relay	820ARR3J56
Run Capacitor	85PR440F18
Run Capacitor Rating	35MFD 440V(M)VDE
Start Capacitor	85PS330C84
Start Capacitor Rating	196-236 MFD 330V VDE
Contactor	91013
Unit Drawing	DGU1901-45
Wiring Diagram	91263-03

Fan Motor	810S186B40 (2)
Fan Motor RLA	1.9 Each
Fan Blade	51528-3 (2)
Fan Guard	70832 (2)
Fan Shroud	70611-1
High Pressure Switch	84095-2
Low Pressure Control	84026-2
Oil Separator *	704-00003
Condenser	50777-6
Fan Switch	84096-1
Fan Switch	84096-2
Receiver Tank	51083
Liquid Valve	56596
Liquid Filter *	70126-3
Sight Glass *	70084-2
Suction Valve *	31529-1
Rotolock Valve Gasket	30233
Discharge Valve	56596
Suction Filter *	70082
Accumulator *	TK00044000
Crankcase Heater	90699
Defrost Timer *	N/A
Suction Shut Off Valve*	56500-K14
Liquid Shut Off Valve*	56500-K08
Shrader Valve Body*	56510
Valve Core*	56552
* = Equipped Units Only	

Electrical Diagram

